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COMPUTER SIMULATION OF BAYER PROCESS

PROCESS OBJECTIVE:

DEVELOP A METSIM MASS AND ENERGY BALANCE MODEL OF THE BAYER PROCESS.

KEY ISSUES:

o   CAN THE CHEMICAL AND THERMODYNAMIC PROPERTIES OF SUPERSATURATED SODIUM ALUMINATE SOLUTIONS BE WRITTEN AS AN APL ALGORITHM THAT METSIM UNDERSTANDS?

o   WHAT IS THE OPTIMUM ALGORITHM TO MODEL BAYER PRECIPITATION CHARACTERISTICS?